

**(57) Abstract**

The invention relates to a method for combusting an organic waste concentrate, which contains alkali metal compounds, under oxidative conditions for recovering the alkali metal compounds as alkali metal carbonates.

According to the invention, the combustion is carried out at a temperature of at least about 850 °C. The formed flue gases are cooled below a sticking temperature range of the alkali 10 carbonates by mixing, and simultaneously water (8) is poured on the walls (9) of a cooling zone (2) at least at the sticking temperature range.